

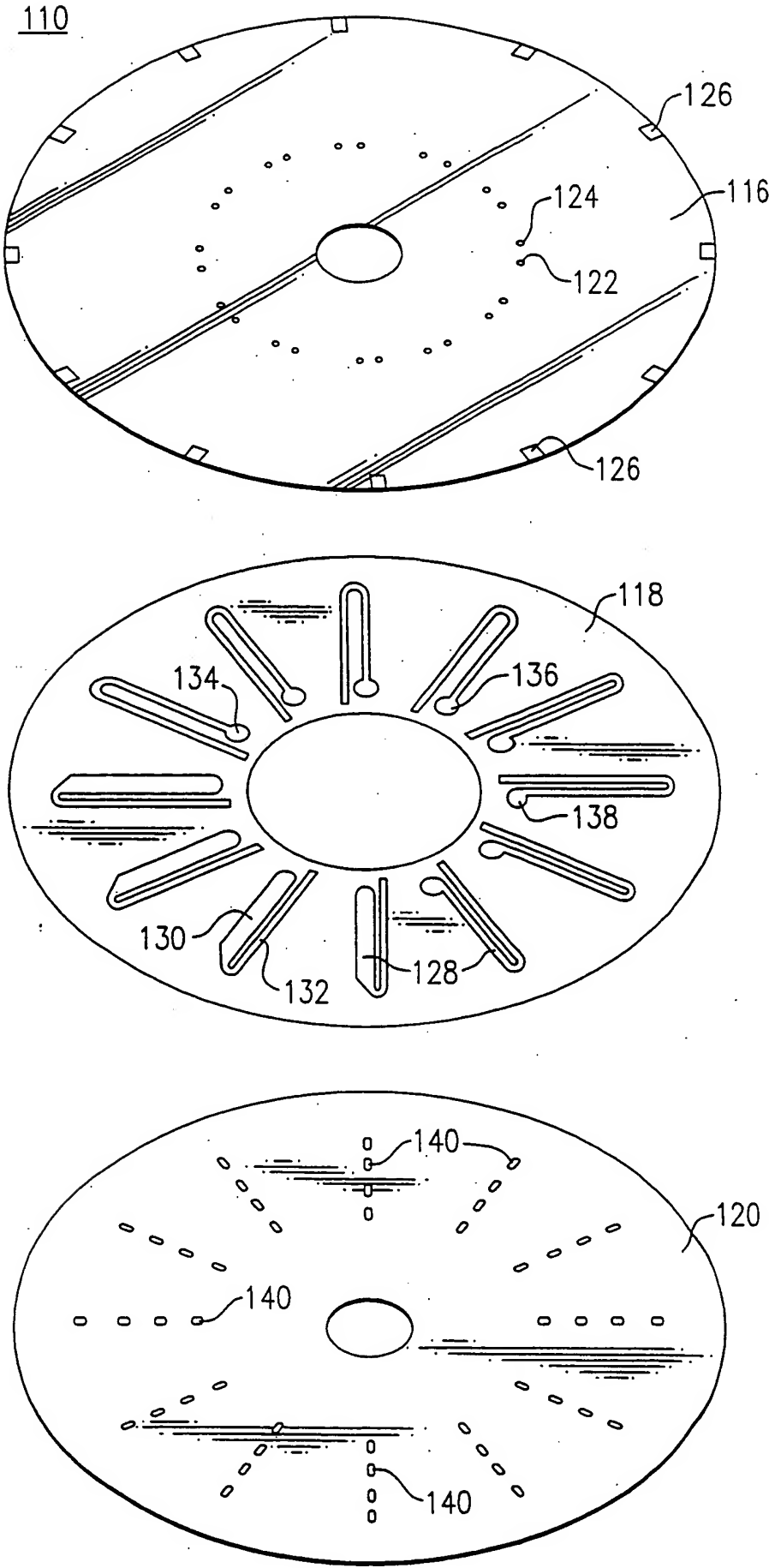
FIG.1

I certify that this document is being submitted to the U.S. Patent and Trademark Office under 37 C.F.R. § 1.10 on February 21, 2003 using U.S. Express Mail # EV183372521US

Ramon Valencia
Print Name

[Signature]
Signature

FIG.2



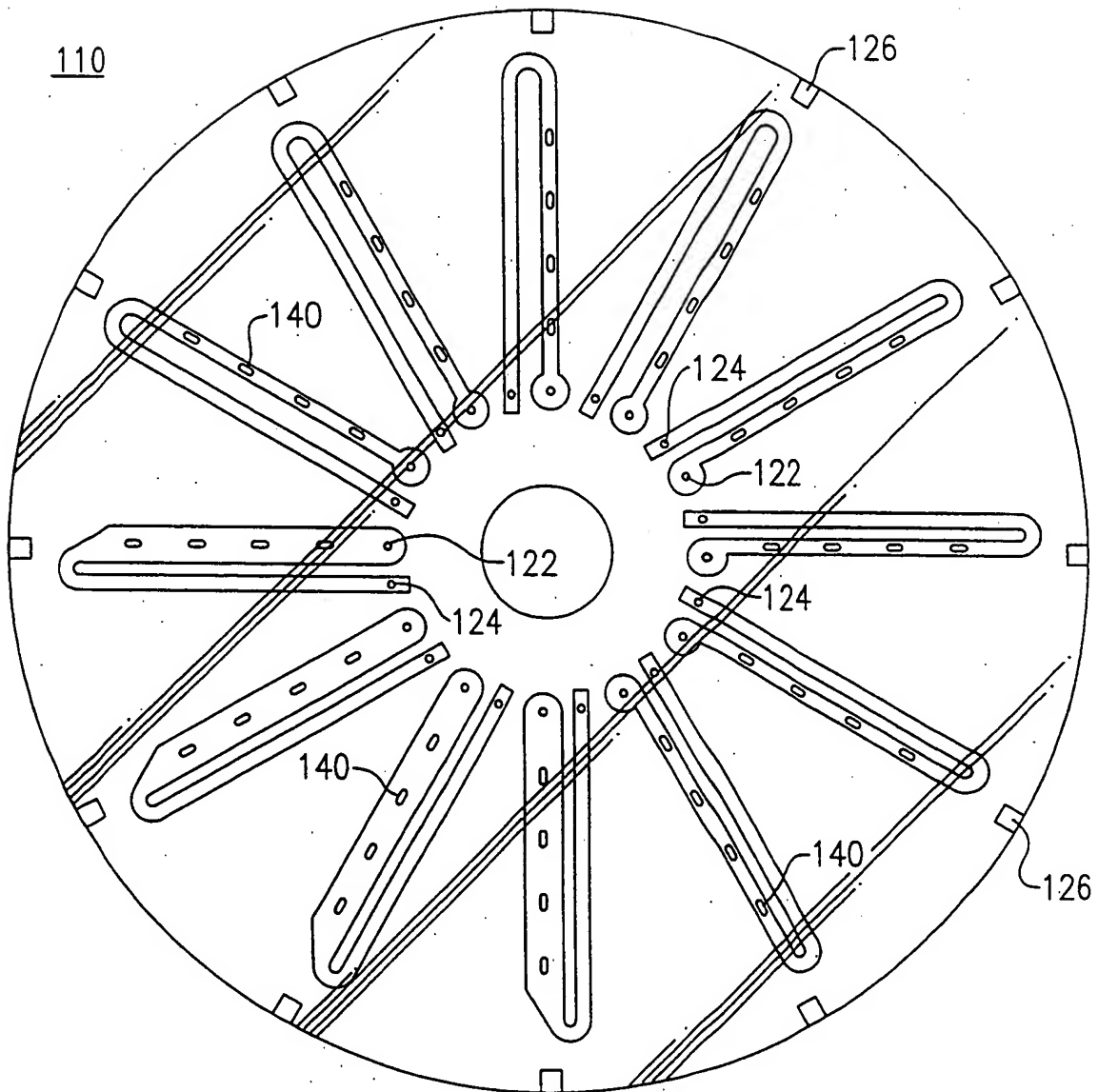


FIG. 3

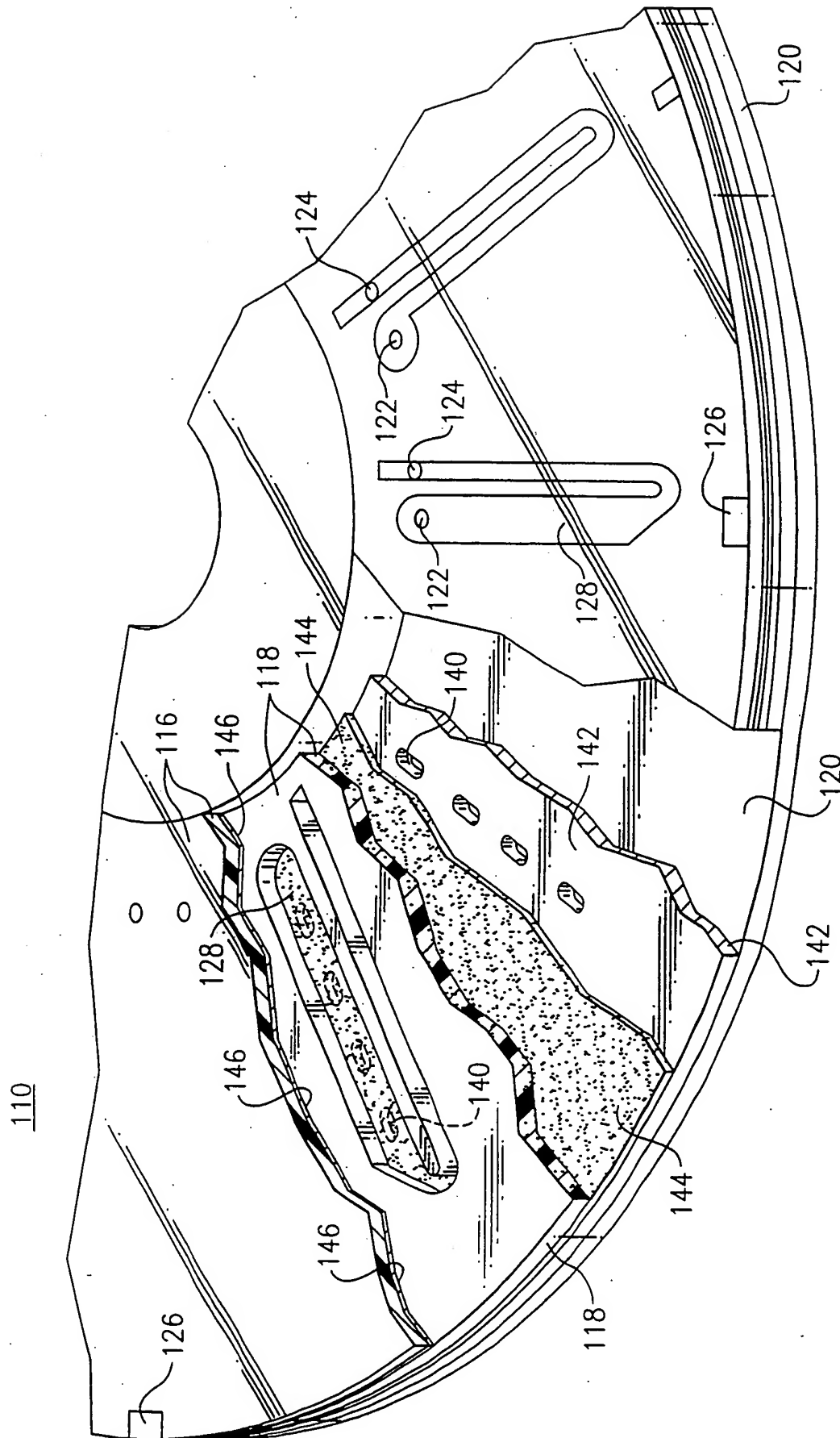
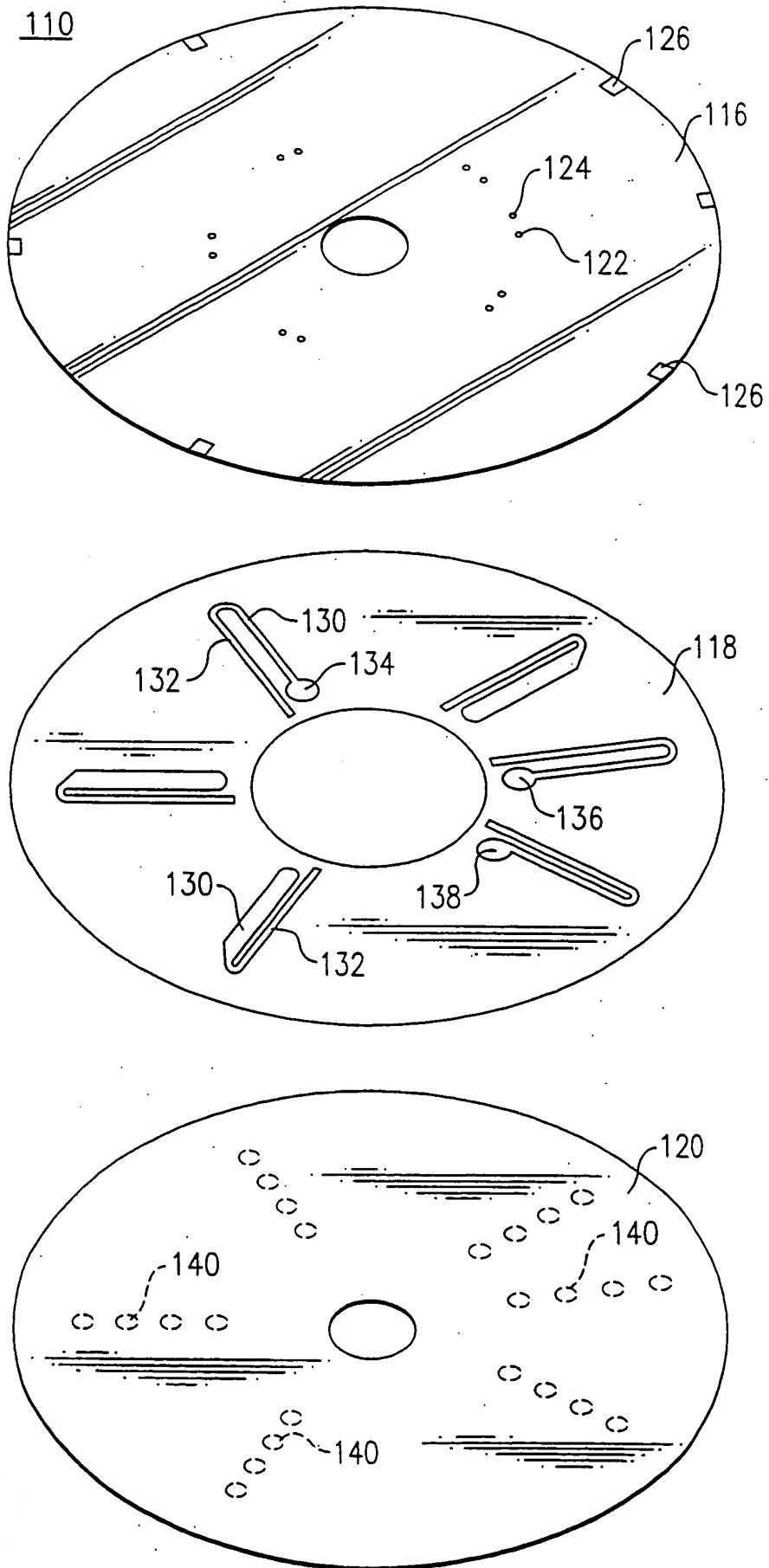


FIG. 4

FIG.5



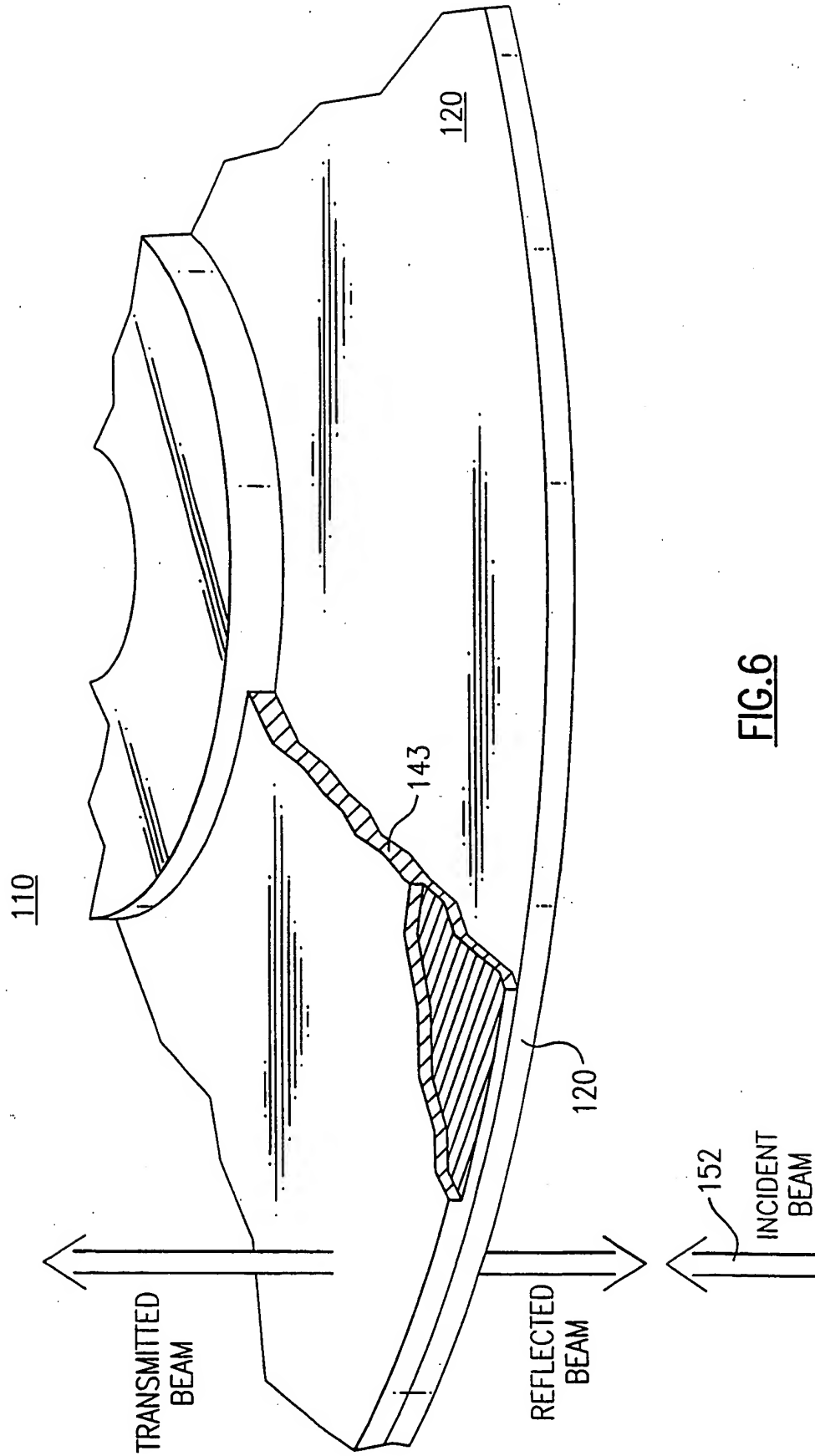


FIG. 6

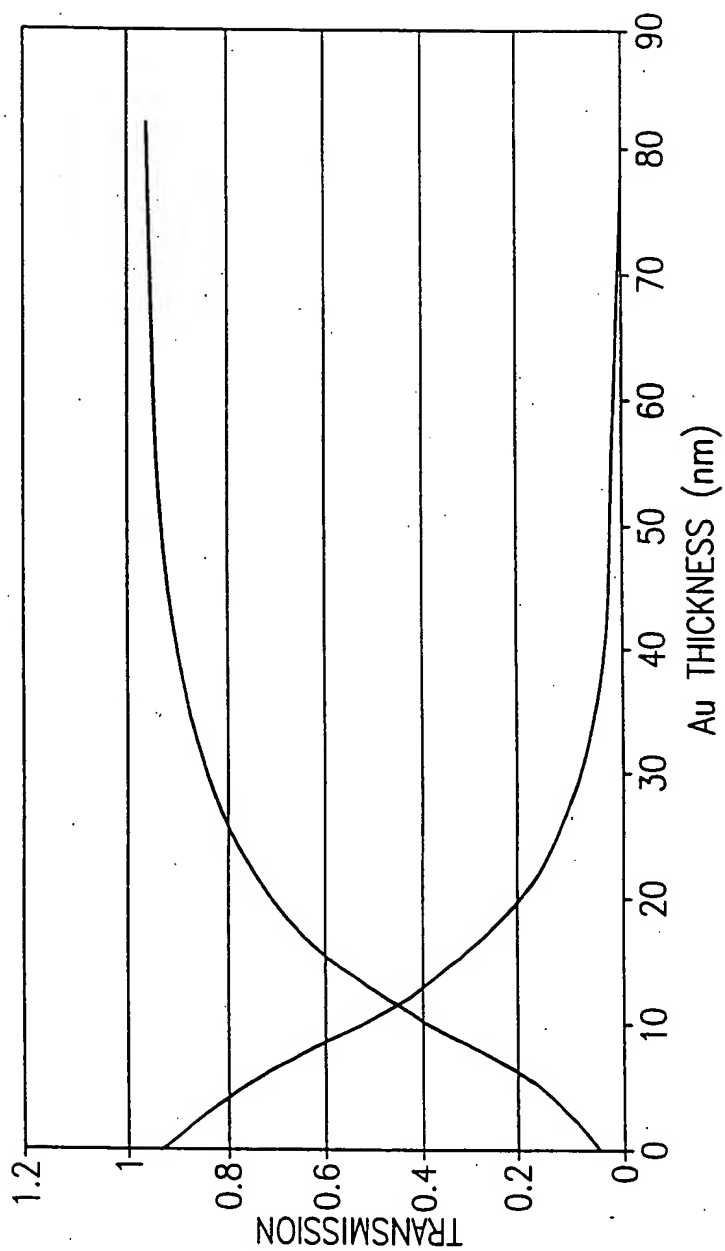


FIG.7

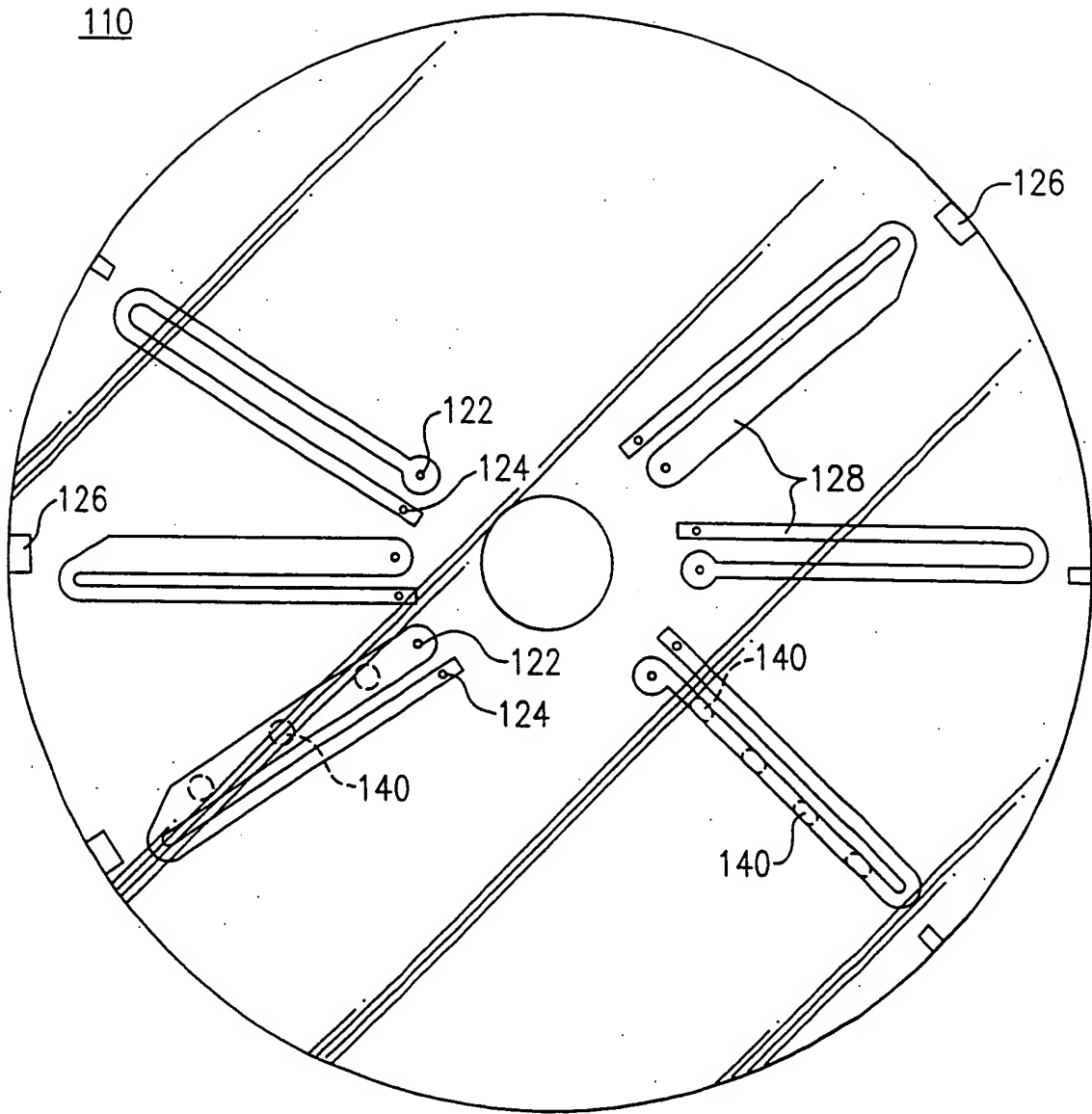


FIG. 8

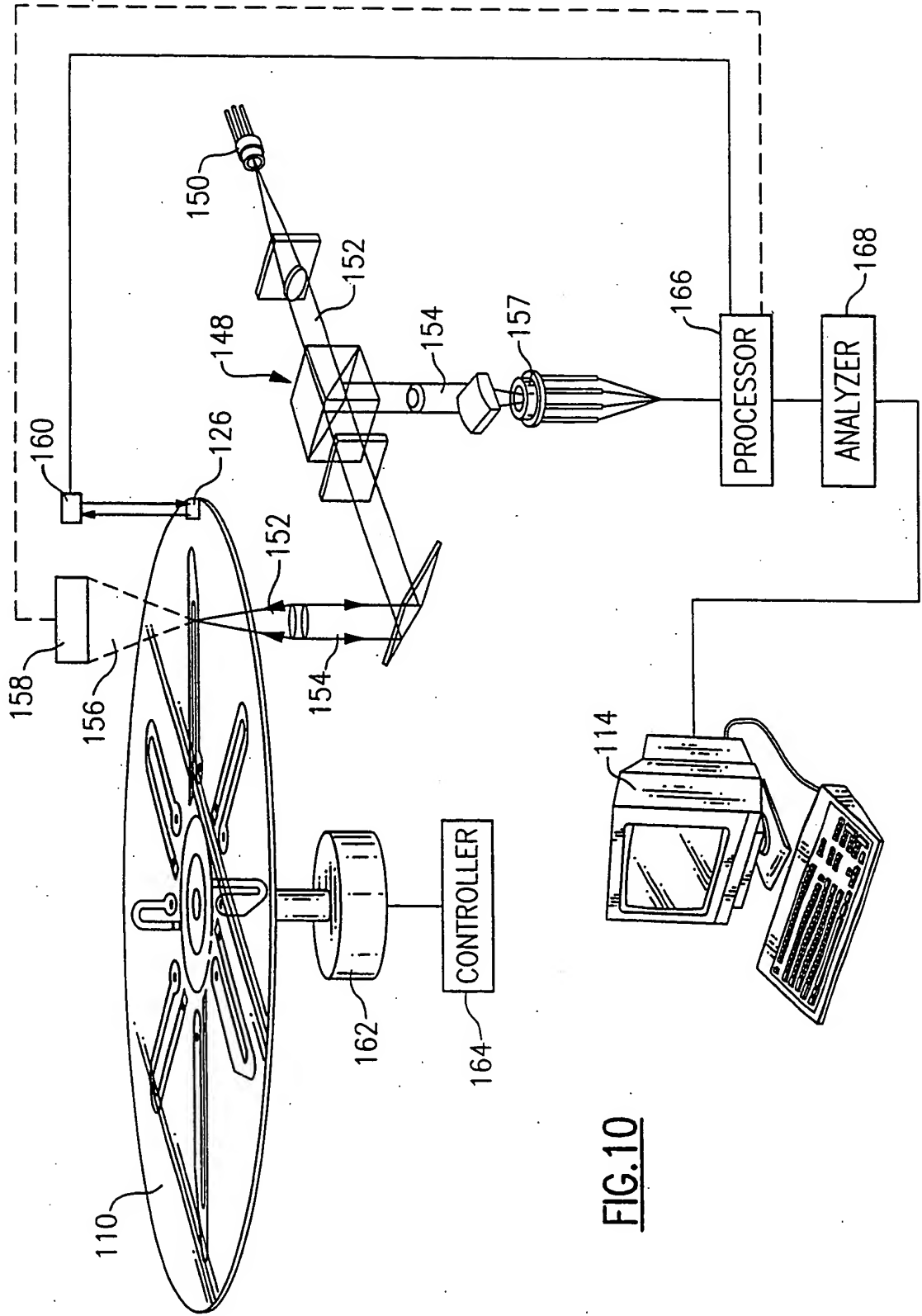


FIG.10

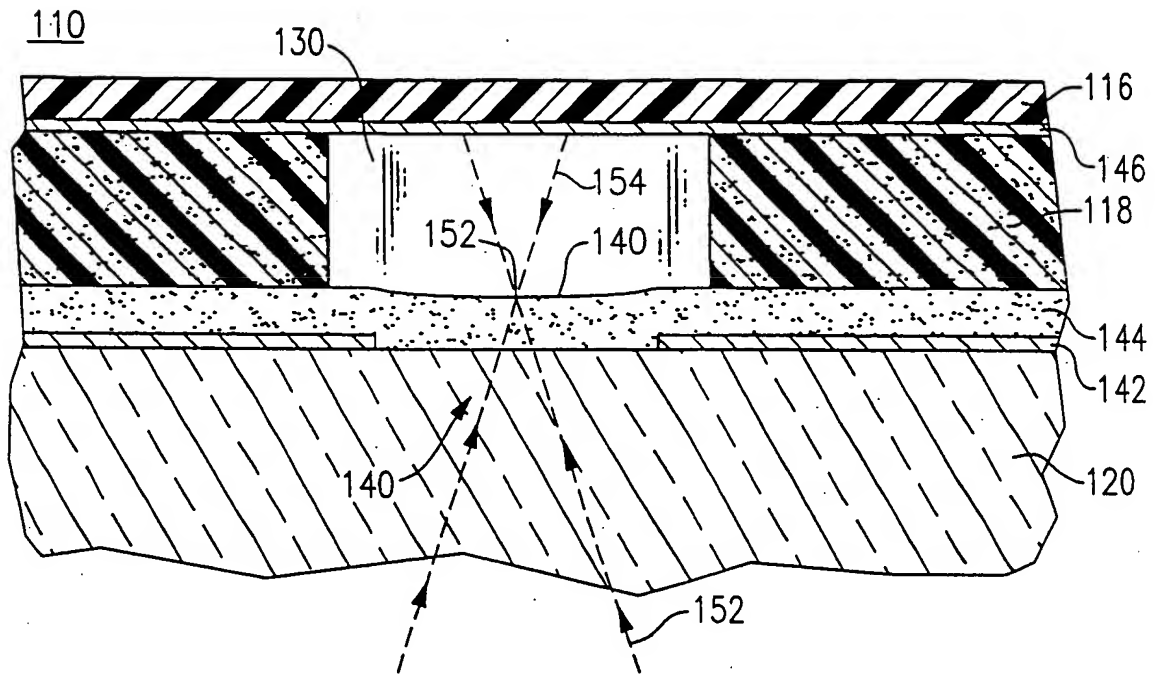


FIG. 11

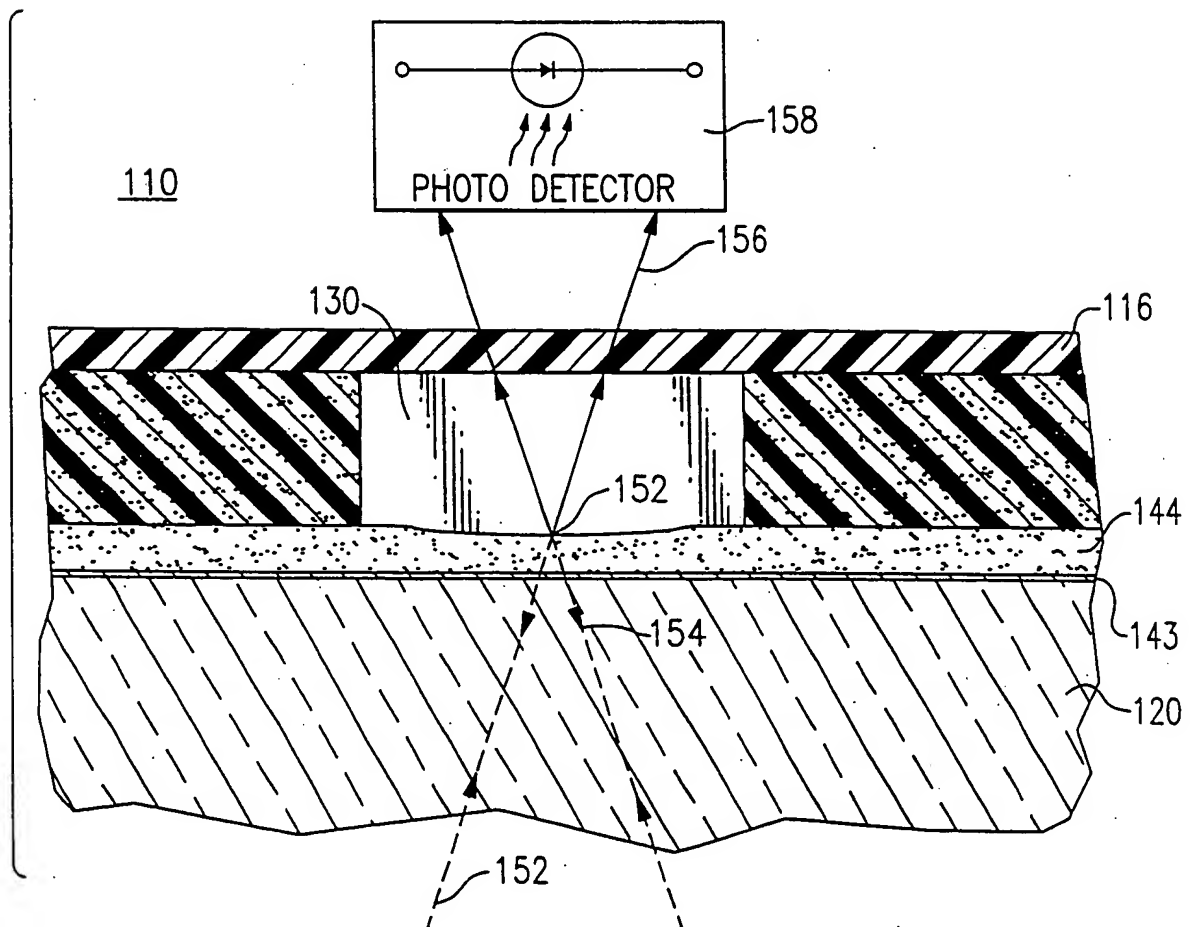
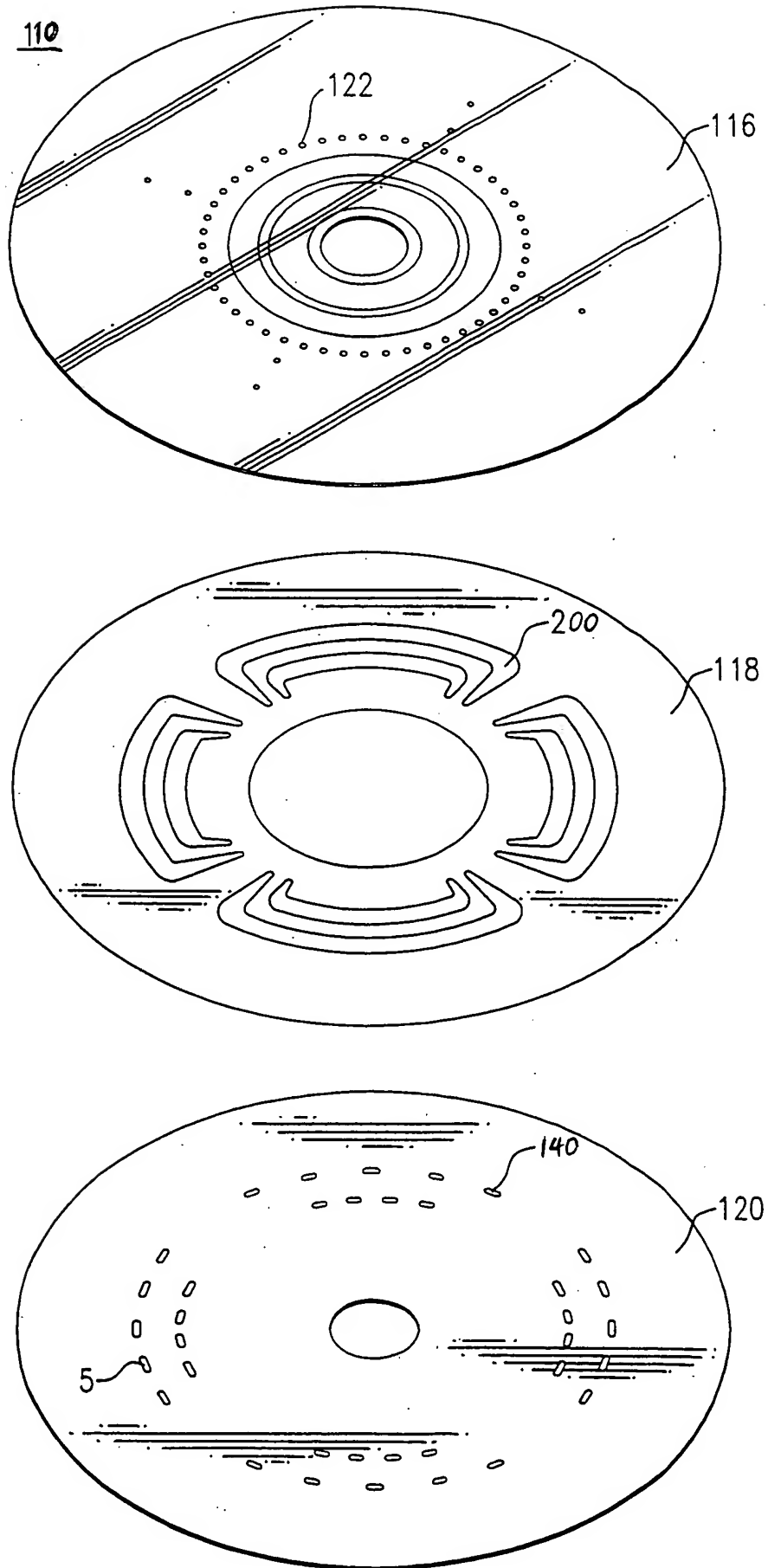


FIG. 12

FIG.17 A



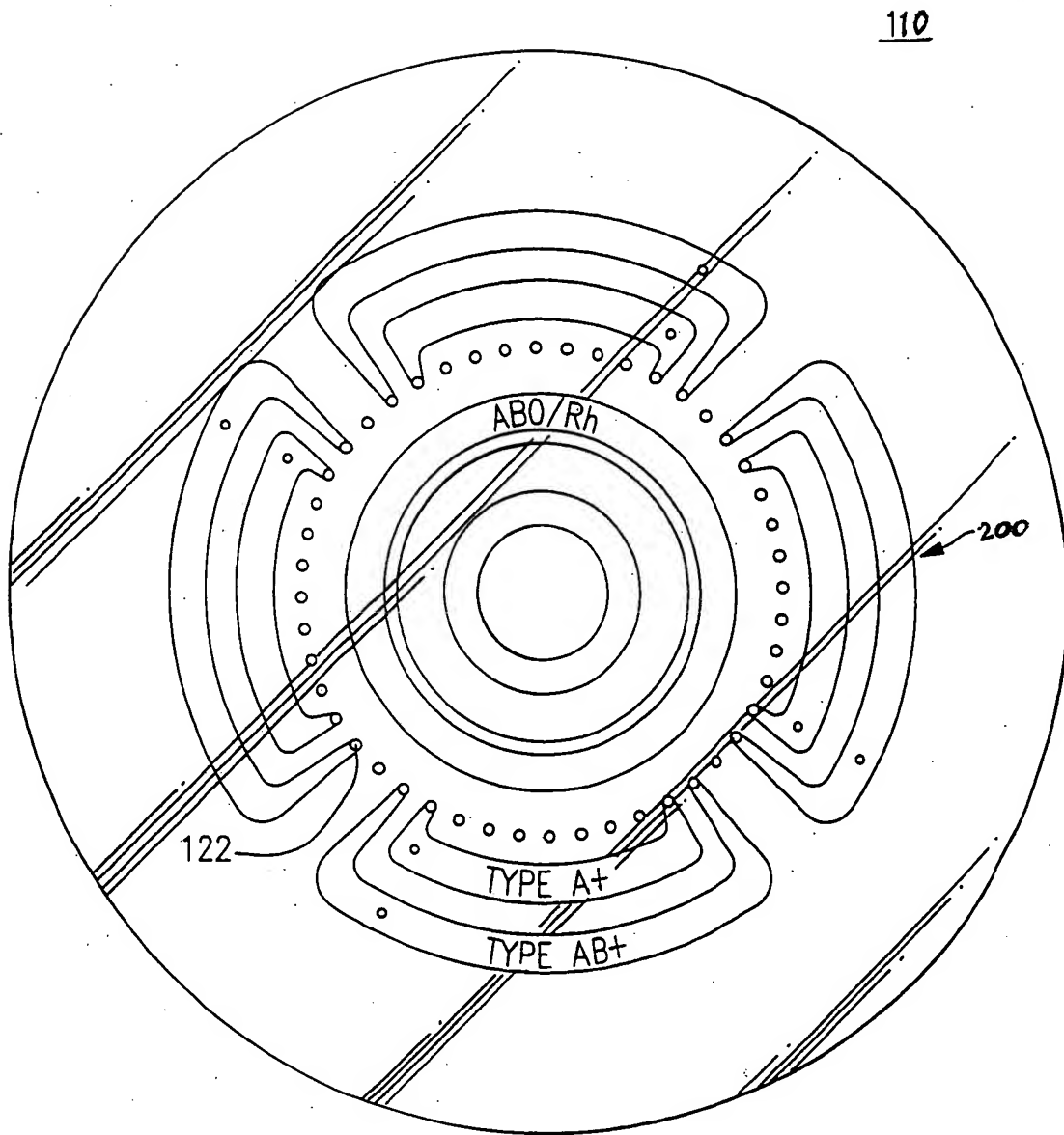


FIG. 17B

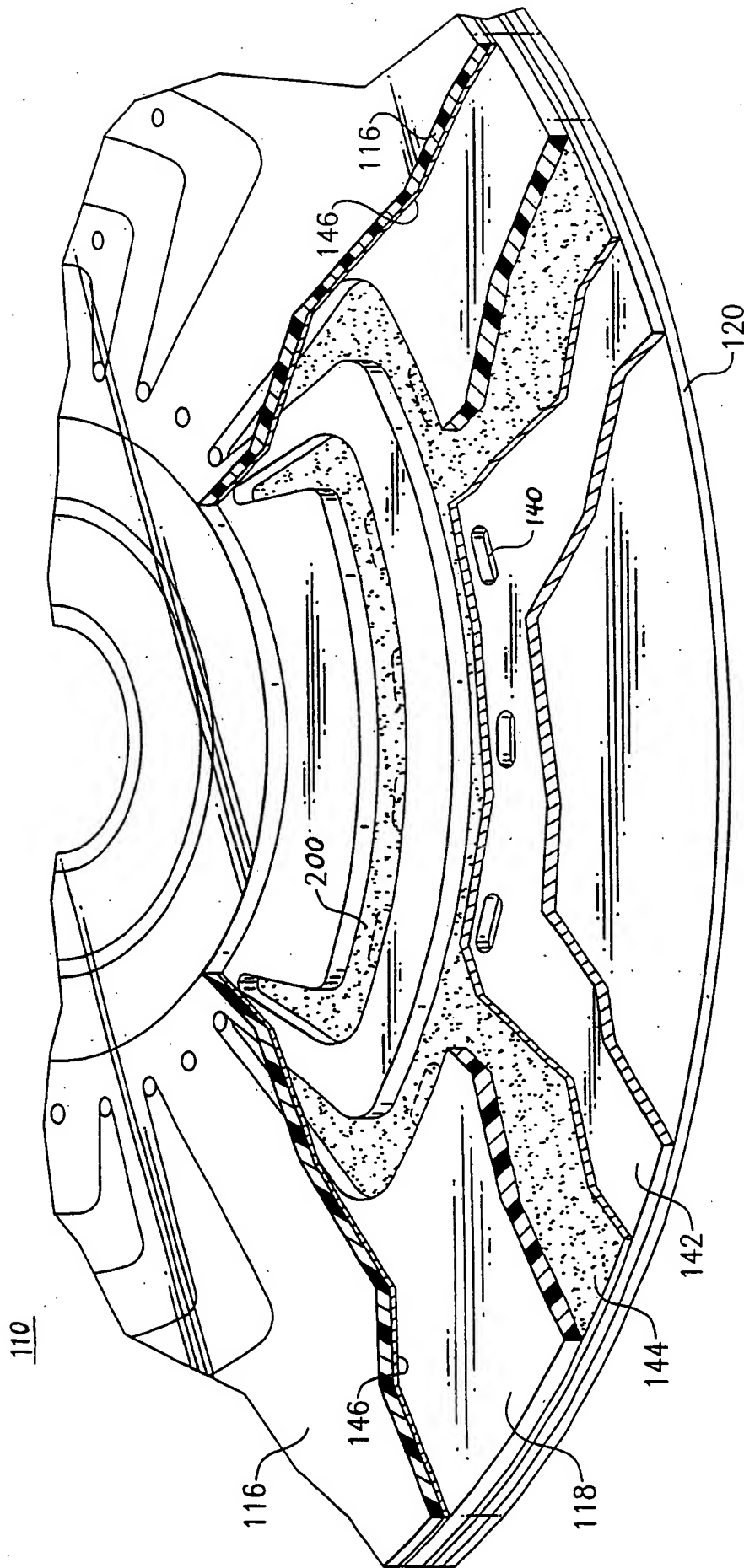
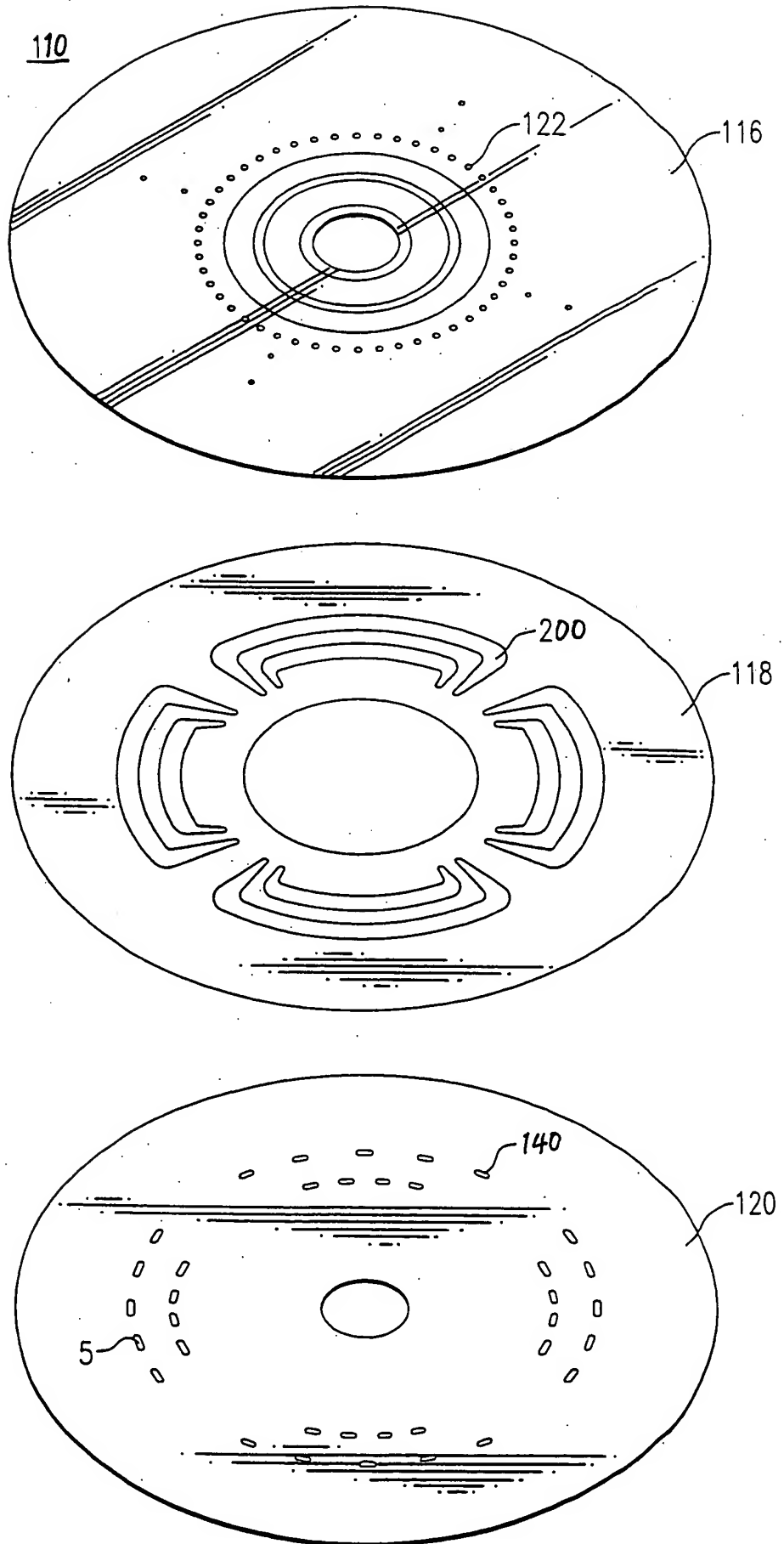


FIG. 17C

FIG.18 A



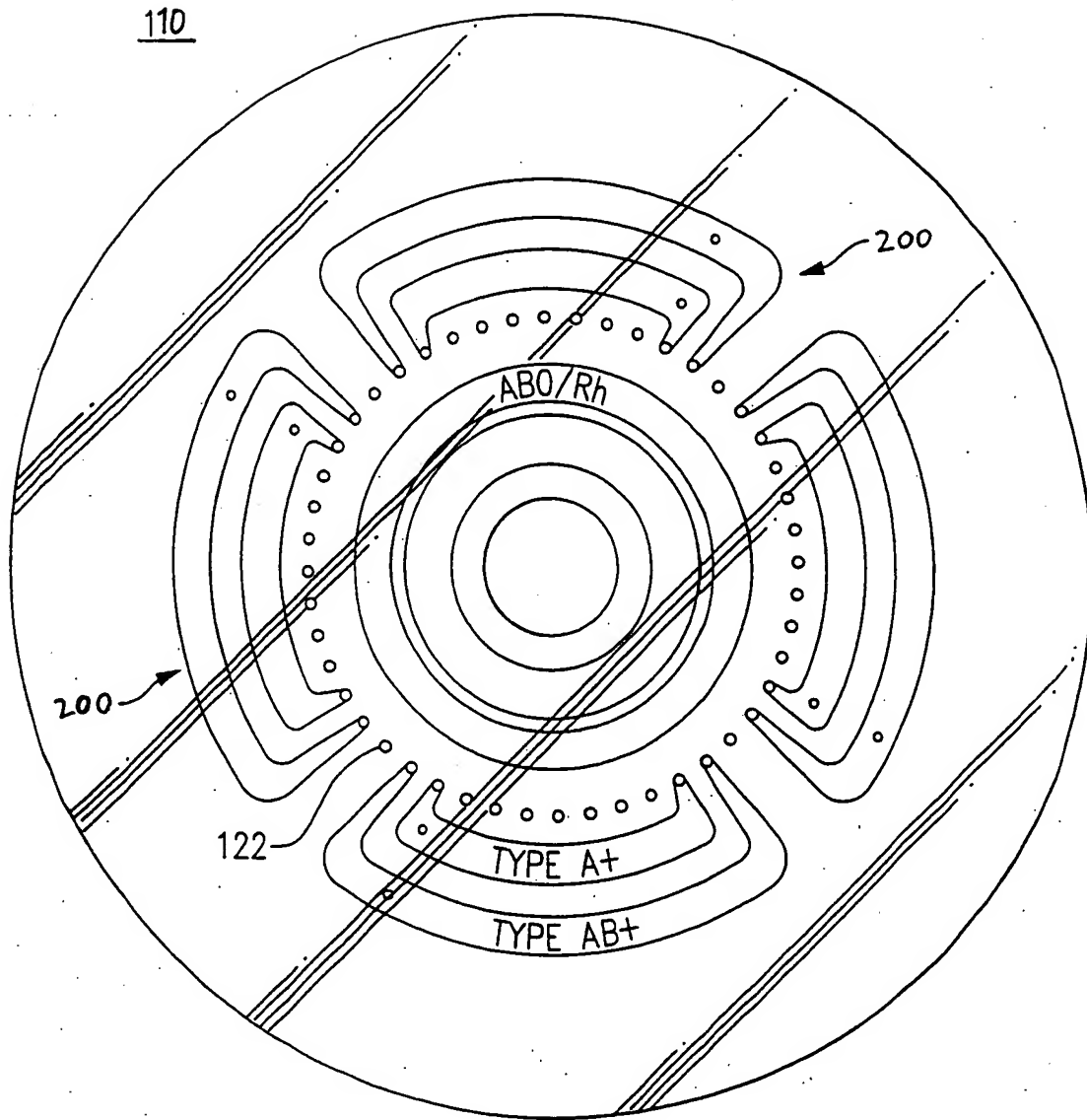


FIG. 18B

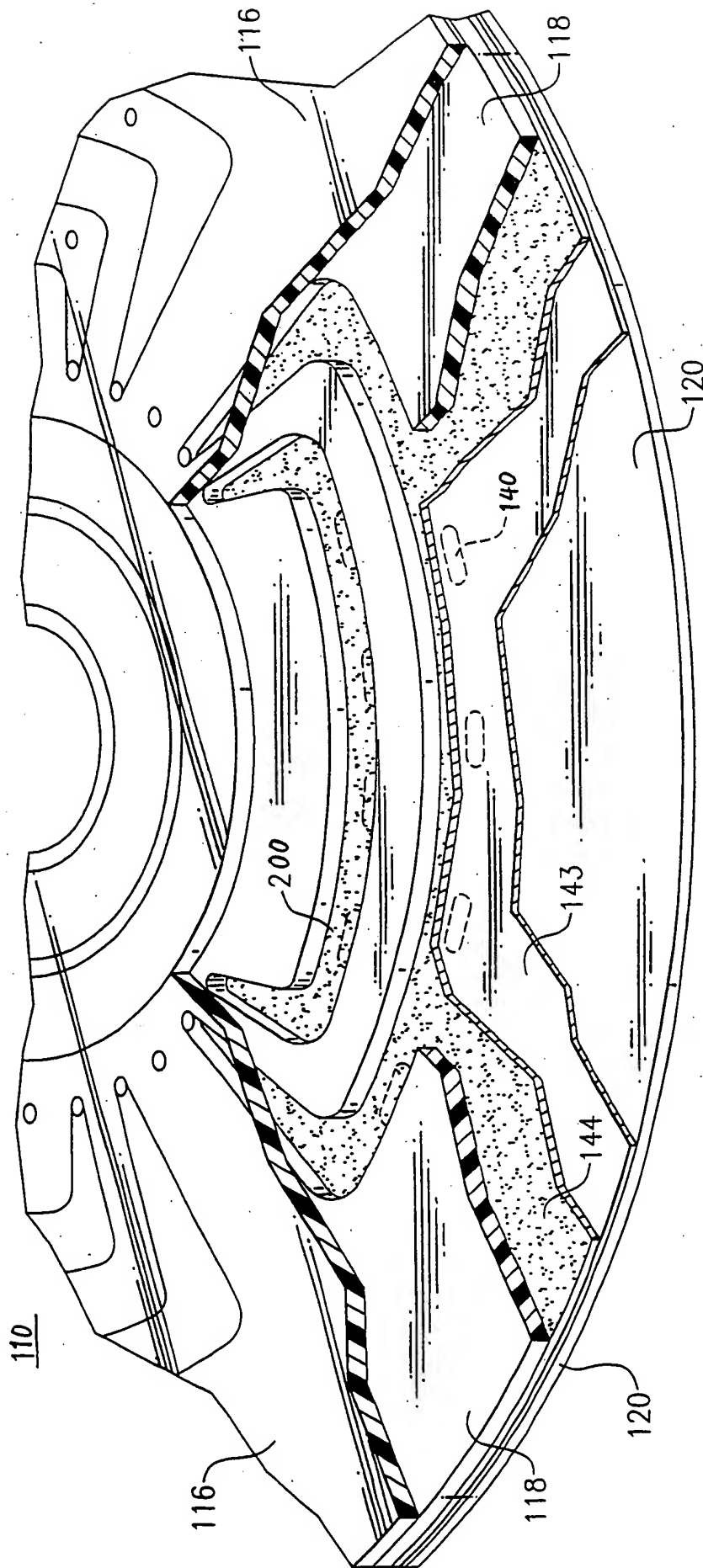


FIG. 18 C

CD-Derived Hemoglobin Dose-Response Images

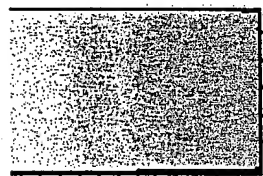
Hemoglobin Ao



1000 ng/mL



500 ng/mL



100 ng/mL



10 ng/mL

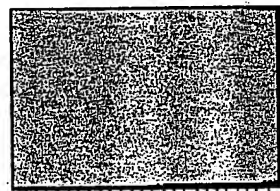
Hemoglobin A1c



1000 ng/mL



500 ng/mL



100 ng/mL



10 ng/mL

FIG. 19

Typical Standard Curves for Non-Glycated Human Hemoglobin (HgAo) and Glycated Hemoglobin (HgA1c) on an Optical U-Channel Disk (BCD™)

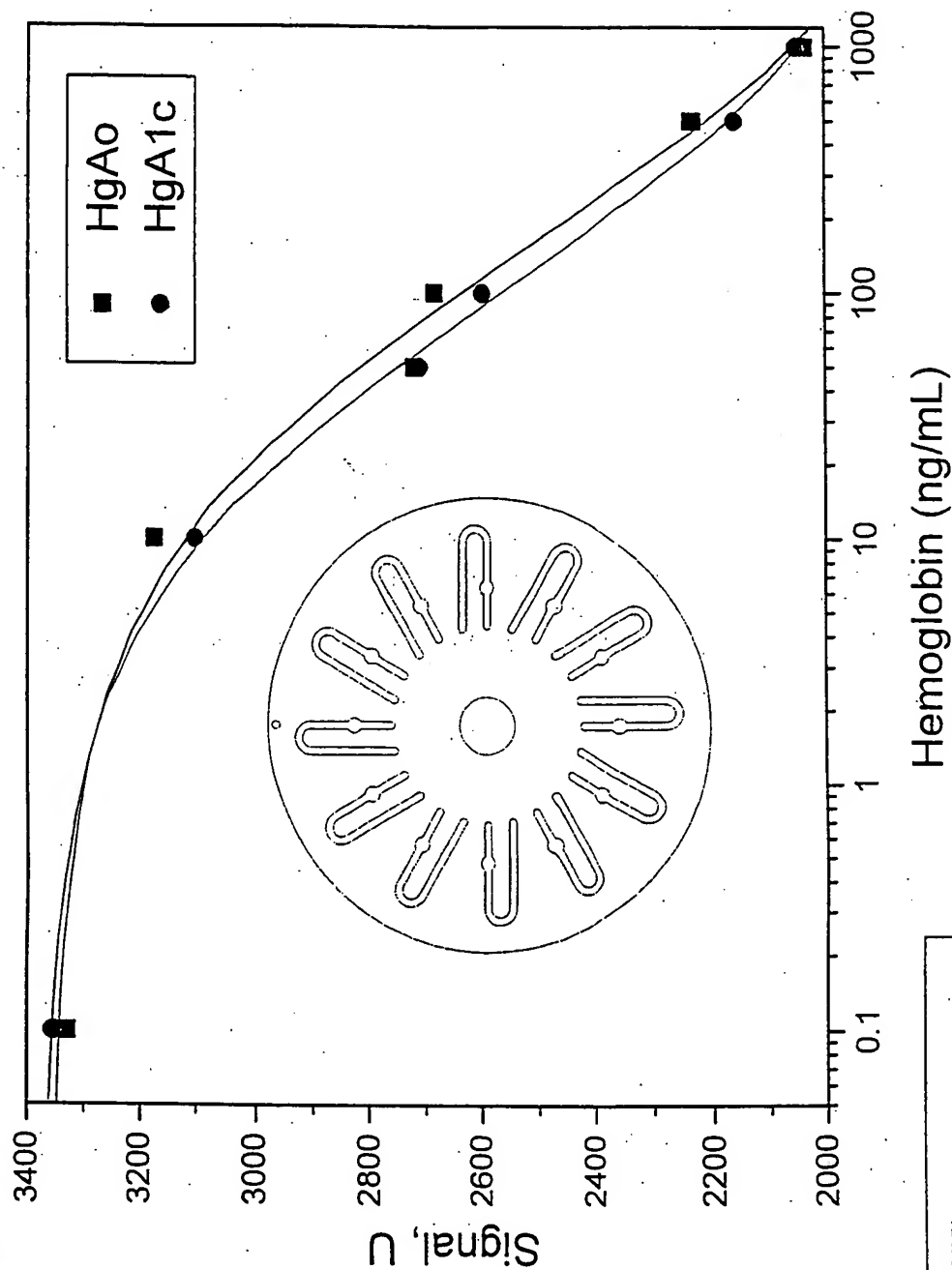


FIG. 20

Immunoassay Conditions:
 Immobilized Haptoglobin on Disk: 100 ng/mL
 Dilution of Goat anti-Human Hemoglobin
 (HRP-labeled): 1 : 4000

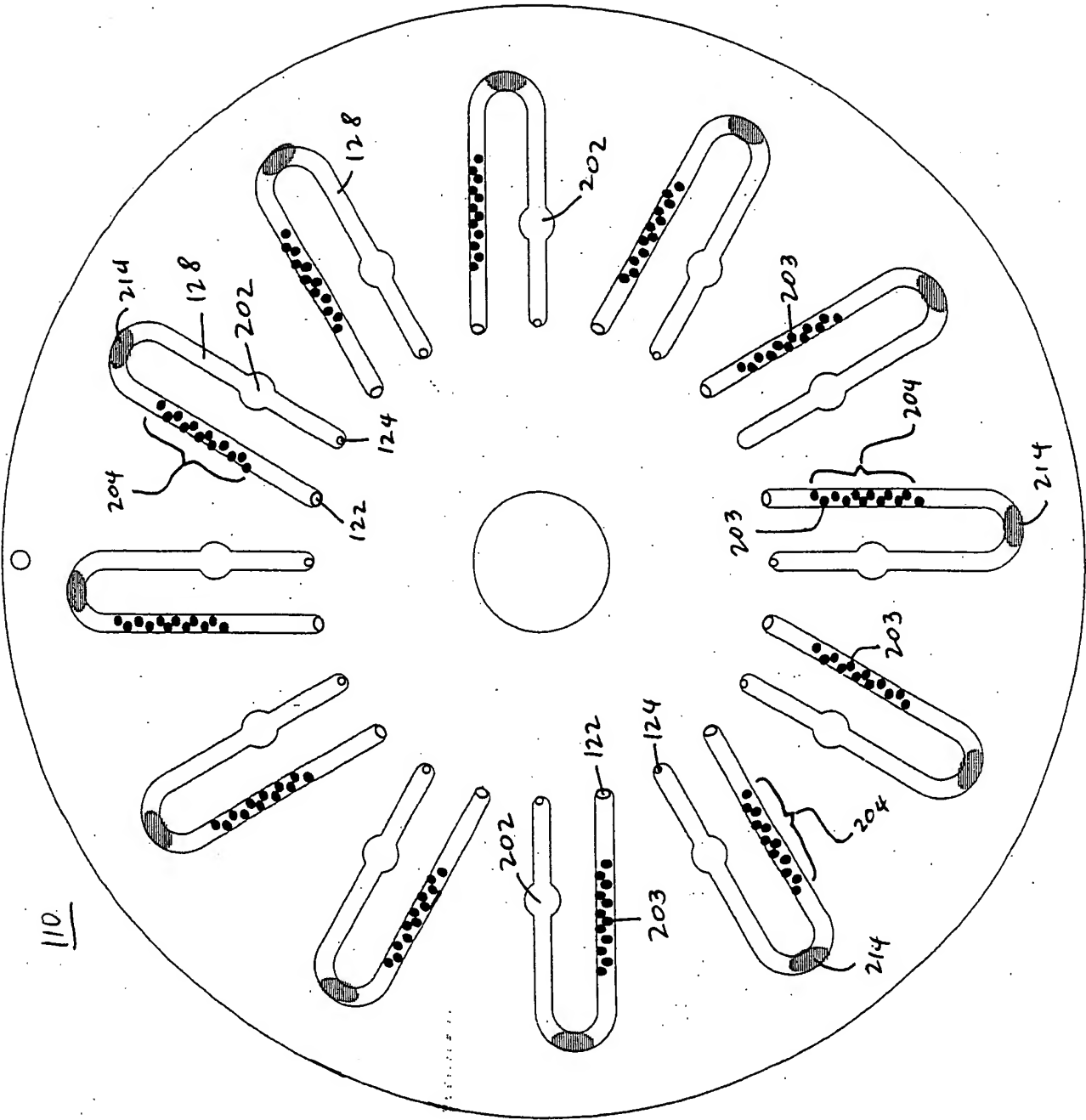


FIG. 21

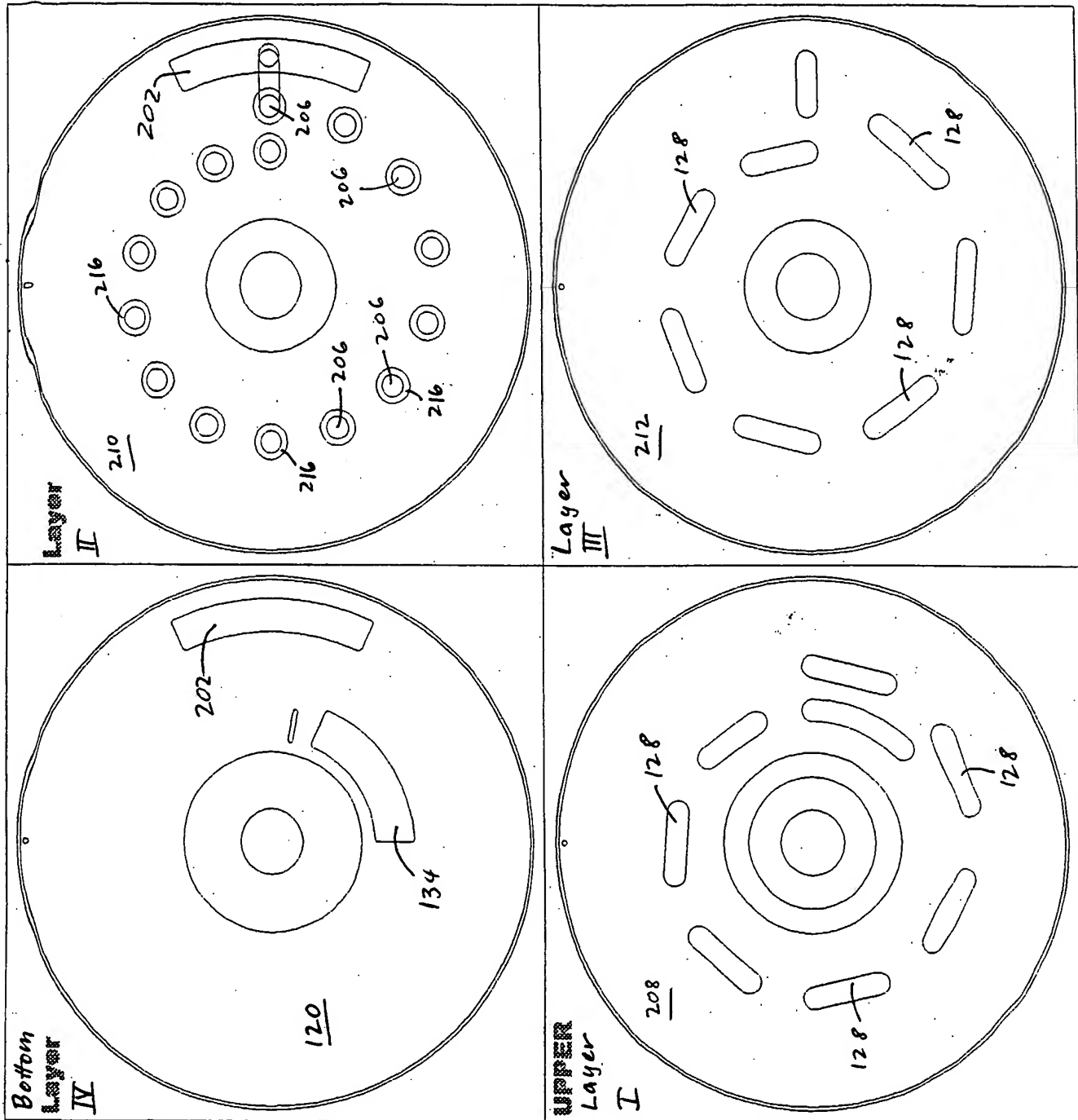


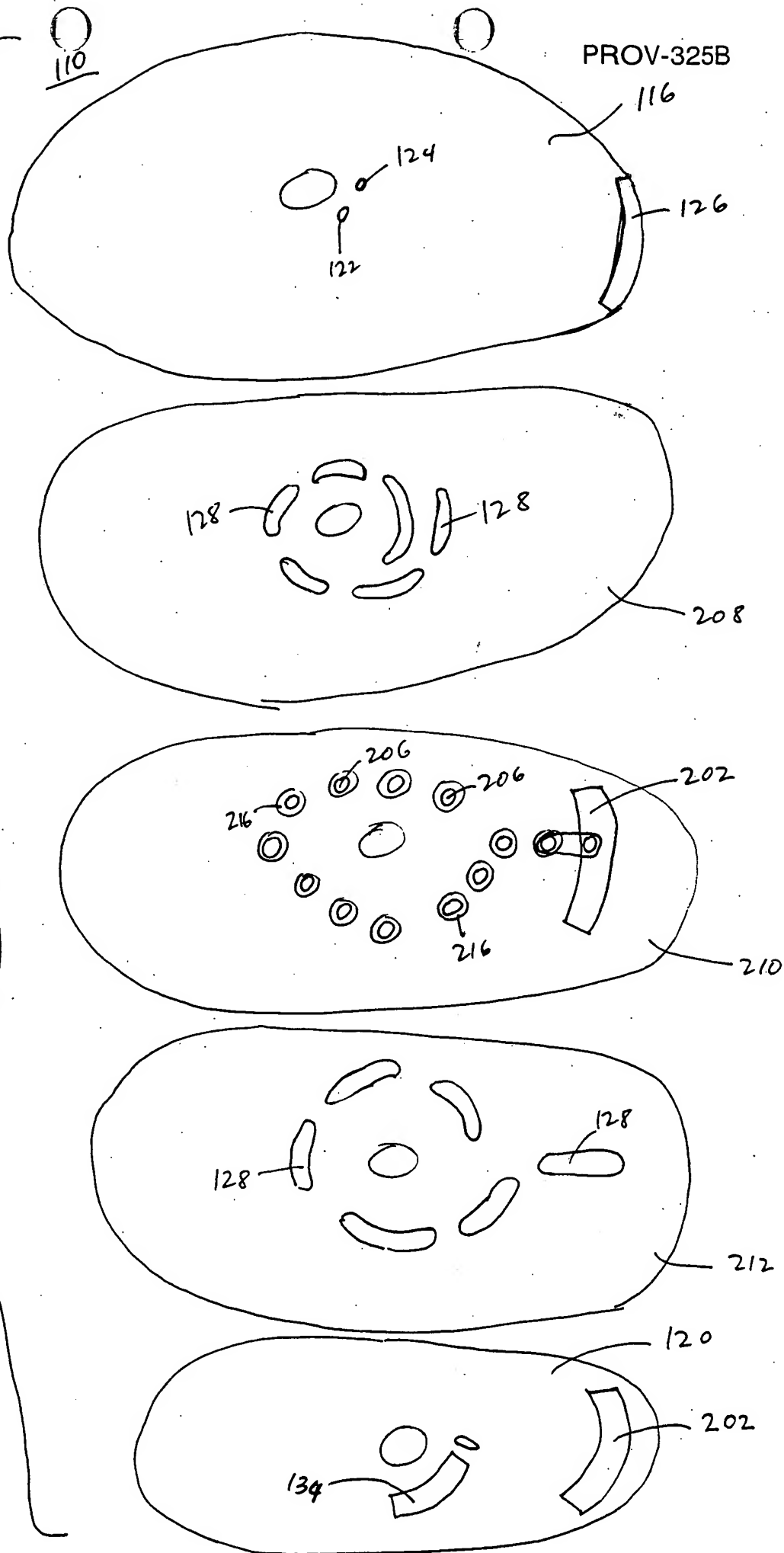
FIG. 22A

Disc Layer Assembly:
(Top to Bottom)
I. Upper channel layer
II. Middle membrandayer
III. Lower channel layer
IV. Bottom substrate layer

Note: A top most cap layer (116) with the inlet and vent ports is not shown.

PROV-325B

FIG. 22B



110

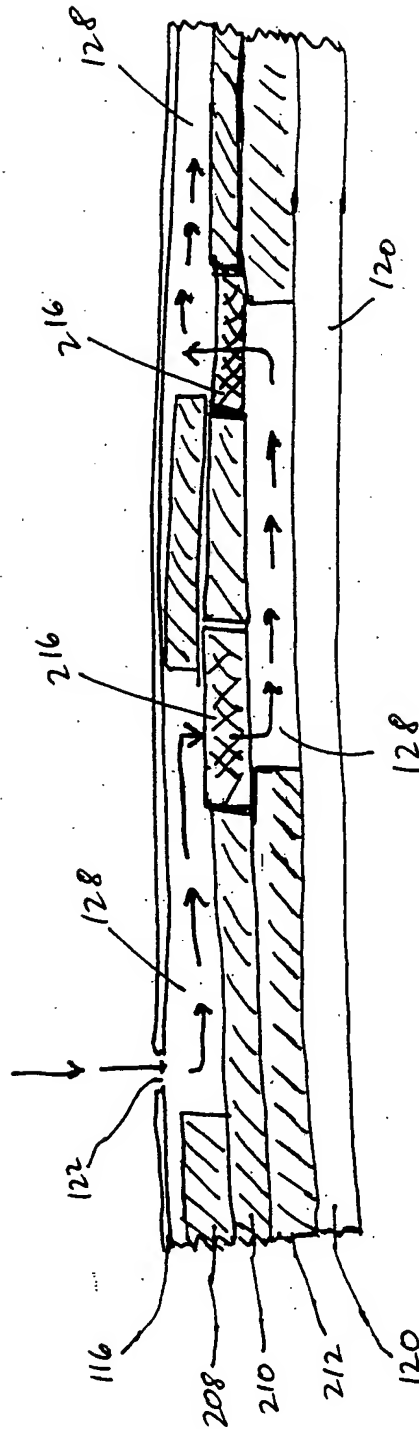


FIG. 22C